Late-Breaking News About Logic Express 7

This document contains information about additions and changes made to Logic Express 7 after the manuals were completed.

Some are new or updated features, and others are corrections or changes to names, operations, or functionality. Please read this documentation carefully, as some of the information may supercede that of the Reference manuals. For the latest information about product updates, tips, and techniques, visit the Logic Express website at http://www.apple.com/logicexpress.

General Changes

This section outlines global menu and operational changes.

Parameter Boxes

All parameters that only have two states (on/off) have been changed into checkboxes. Simply click on the box to activate (checked), or deactivate (unchecked) the parameter. Parameters that have been updated to operate in this fashion include:

- Region: Loop
- Arpeggio: Repeat
- Score: Interpretation, Syncopation, No Overlap, Lyric

Menu Changes

The Audio > Audio Settings menu item was removed, as it was a duplicate of Logic > Preferences > Audio.

The Logic > Preferences > Control Surfaces > Scan and Logic > Preferences > Control Surfaces > Install menu items has been moved into the local New menu of the Setup window (Logic > Preferences > Control Surfaces > Setup).

The local Matrix Editor menu item View > White Background was renamed to View > Bright Background.

AU Manager

Logic Express 7 uses Apple's AU Validation Tool to ensure that only Audio Unit plug-ins which pass the test are used in Logic.

The scan process takes place automatically when you launch Logic Express 7. You can see the results of the validation scan for all Audio Units plug-ins via the Logic Application menu: Preferences > Start Logic AU Manager.

Note: Logic Express 7 automatically quits before the Logic AU Manager is launched. Logic will automatically restart after you quit the Logic AU Manager.

The Logic AU Manager allows you to disable Audio Units plug-ins that you don't want to use in Logic, even if they pass the test. Simply uncheck the corresponding checkbox in the Use column to disable any plug-in. You can store your choice of Audio Units plug-ins by clicking *OK*.

The results of the test are shown in the Compatibility column. Audio Units plug-ins that "failed" the validation test, can be enabled—but be aware that these plug-ins can cause problems. Use of plug-ins that have failed the validation can negatively affect the test results of subsequently scanned plug-ins, can cause Logic crashes or even lead to data loss (destroyed song files).

We strongly recommend that you check the manufacturer's website for updated versions of Audio Units plug-ins that fail the validation.

Note: If you press Control-Shift while launching Logic, the AU Safe Mode will be used: Only plug-ins that pass the validation test will be used; manually activated plug-ins that failed the validation test will not be available.

Click "Reset & Rescan All" to run another validation test, after installing plug-ins/updaters or moving components in the Finder, while Logic or the AU Manager are open. You can also rescan individual plug-ins—in cases where you've installed an updated version. Updated plug-in versions will automatically be tested the next time Logic is launched. They will be enabled automatically, if they pass the validation scan.

Loop Browser

The Apple Loops Browser also displays Acid and ReCycle Loops, and has therefore been renamed Loop Browser. Loops with sample rates that don't match the song sample rate can be used.

Acid Loops don't contain "tags" like Apple Loops. Apple Loop tags identify the categories/styles that a Loop appears in, within the Loop Browser.

In Acid Loops, this information is derived from the surrounding folder structure (especially the names of folders), which must comply with certain standards. This means that it's not possible to drag an individual Acid Loop file into the Loop Browser.

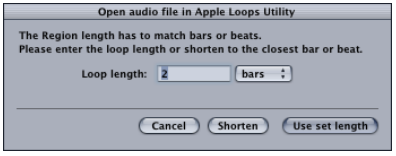
As such, you need to drag the entire CD (or folder) that contains the Acid Loops into the Loop Browser.

Display of Loops

All loops that follow the song key and tempo are indicated by the following symbols in Logic:

Apple Loops Utility

If you open an Audio Region with a length that does not match the bars or beats in the Apple Loops Utility, the following dialog appears:


Open audio file in Apple Loops Utility
The Region length has to match bars or beats.
Please enter the loop length or shorten to the closest bar or beat.
Loop length:
2
bars
Cancel
Shorten
Use set length

There are two possible reasons for the wrong length:

- The audio recording was recorded at the song tempo, but not cut correctly. In this situation, you can shorten the recording, via the dialog.
- The loop uses a different tempo: in this case, you can set the length of the audio loop in the Loop length box and choose "Use set length."

Support of Apple Lossless Files

Logic Express 7 supports Apple Lossless files. This lossless file format uses an audio codec that retains the full quality of uncompressed CD audio, while requiring only about half the storage space. The Apple Lossless Encoder can be used for importing music from CDs in iTunes, for example.

Loop Length Editing

Logic's Loop function has been enhanced with an easy to use Loop Length Editing function.

To set the length of a looped Region:

1. Move the cursor to the end of the Region that you want to loop. The cursor will change into a circular arrow (a loop) when positioned in the upper area of the Region.
2. Click-hold and drag the end of the Region to the desired length.

Note: Whenever you move the cursor into the upper half of the looped area, it changes to a circular arrow, allowing loop length changes. If you want to select the looped Region (to move it, for example), click in the lower half of the looped area. You can also Shift-click in the upper loop area to select the Region.

The cursor will only turn into the circular arrow (and offer the Loop Length Editing functions), when the track is of sufficient height. If the track height is minimal, Option-click on the end of the Region to access the Loop Length Editing function. This also applies if automation data is visible on a track.

Important: Deactivation of the Region Loop parameter resets the loop length. The next time the Loop parameter is used, the Region is repeated until it encounters another Region on the same track or the Song End point is reached.

Create Multiple Tracks

This facility, accessible via the Tracks > Create Multiple menu option in the Arrange window, does exactly what it says. When selected, a dialog box opens, allowing you to choose the:

- Driver: This pull-down menu allows you to select the audio hardware driver that you wish to use for your newly-created tracks.
- Track Type: This pull-down menu allows you to select between *Audio, Audio Instrument,* and *Auxiliary* tracks.
- Number of Tracks: Type in the desired number of tracks. Eight is the default.
- Mode: Simply click on the desired *Mono* or *Stereo* radio button, to create multiple mono or stereo tracks of the chosen type.

The Create Multiple Tracks function is intelligent in the way it handles tracks, and underlying Audio Objects. To explain; imagine a song that contains four audio tracks in the Arrange, but there are actually eight Audio Objects set up on the Environment's Audio Layer. Use of the Create Multiple Tracks function to add another four tracks to the Arrange will work as expected. The four existing tracks use Audio Objects 1 to 4, and the newly-created tracks use Audio Objects 5 to 8.

Using the same example, but adding eight tracks with the Create Multiple Tracks function, behaves a little differently. The four existing tracks use Audio Objects 1 to 4. The newly-created tracks use Audio Objects 5 to 8, and new Audio Objects (9 to 12) are automatically created on the Environment's Audio Layer.

This facility makes the setup of additional tracks much faster than in previous Logic versions, where new Audio Objects and Arrange window tracks needed to be created, and assigned, before use.

Control Surfaces (Controller Assignments)

The Easy View of the Controller Assignment window has been simplified. The *Control Name* field has been removed, because Easy View is generally used for unsupported control surfaces—such as the controllers on your master keyboard or other fader boxes.

The *Track* parameter allows you to choose between *selected* (which is the default, if creating assignments on the selected track) or a fixed track number (if you want to set up your controls as a mixer surface).

The *Learn Message* button has been renamed to *Learn Mode* (because you can create multiple assignments while it's enabled).

Assignments created for a specific plug-in are only active if the plug-in is present on the specified track. This enables you to use the same controller messages for different plug-ins—control the cutoff frequency of ES1, ES2, or EXS24 via the same knob—depending on which software instrument is inserted in the selected track.

Your assignments are stored as preferences, making them available in all songs.

Updated File Paths

The location of all files (preferences, plug-in settings and so on) associated with Logic Express 7 have changed. Unlike older versions, Logic Express 7 does not use the program folder as the location for any associated files.

Logic Express 7 complies fully with Mac OS X standards:

Pre Installed Files
All pre-installed files are located in the *local domain*: *YourHardDiskName*
It is usually prefaced with a: / (at the beginning of a path).

User Created/Editable Files
All files that can be directly written by the user are located in the *user domain*: *YourHardDiskName/Users/YourUserName*.
It is usually prefaced with a: ~/

Preferences

All preference files are installed in: ~/Library/Preferences/Logic
The main preference file is named: com.apple.logic.express
Other Logic Express 7 preference files are also found in this folder.

Song Templates

Logic Express 7 scans for a folder named "Song Templates" in the following folder: ~/Library/Application Support/Logic.
Logic Express 7 then searches for the "Autoload" or "Autoload.lso" song in: /Library/Application Support/Logic.

Plug-in Settings

Logic Express 7 scans for a folder named after the plug-in ("PlugInName/") in the following folders, and order:

- ~/Library/Application Support/Logic/Plug-In Settings
  User-defined or edited settings are always stored here. These settings appear in the top level of the Settings pop-up menu in Plug-in windows. "Save Setting as" defaults to this level. "Save Setting" only works on settings located at this top level (otherwise a "Save Setting as" is performed).
- /Library/Application Support/Logic/Plug-In Settings
  Factory settings are installed here. If Logic Express 7 also finds settings in one of the other locations, the settings found here appear in the "Factory" subfolder of the Settings menu.
- /Applications/Logic 6 Series/Plug-In Settings
  The setting files of the Logic 6 Series were always stored here. If Logic Express 7 also finds settings in one of the other locations, the settings found here appear in the "Logic 6 Series" subfolder of the Settings menu.

We recommend that all old settings be moved from this folder to the new location for user settings (~/Library/Application Support/Logic/Plug-In Settings). You can do this with a drag and drop in the Finder, or in Logic; by loading the settings, and saving them to the new location (which is the default location of the "Save" or "Save as" dialogs).

Default Settings

Like earlier versions, Logic Express 7 allows you to use a default setting file that automatically loads when opening a plug-in. This file must be named "#default.pst", and is searched for in: ~/Library/Application Support/Logic/Plug-In Settings/PlugInName. This is where you can save your own default setting. Simply save a setting called "#default.pst".

If not found, Logic Express 7 looks in /Library/Application Support/Logic/Plug-In Settings/PlugInName/ and then /Applications/Logic 6 Series/Plug-In Settings/PlugInName.

GarageBand Instruments

Logic Express 7 searches for GarageBand Instruments in the: "Plug-In Settings/PlugInName" folder in the following directories, and order:

- ~/Library/Application Support/Logic/Plug-In Settings/PlugInName
  User-defined or edited settings are stored here.
- /Library/Application Support/GarageBand/Plug-In Settings/PlugInName
  "Factory" settings are stored here.

Channel Strip Settings

Logic Express 7 scans for a folder named "Channel Strip Settings" in the following folders, and order:

- ~/Library/Application Support/Logic
  User-defined or edited Channel Strip settings are stored here.
- /Library/Application Support/Logic
  Factory settings are always stored here.

Logic Express 7 also scans the following folder path for Track and Instrument Audio Objects:
/Library/Application Support/GarageBand/Instrument Library/Track Settings.

EXS Instruments

Logic Express 7 scans for a folder named "Sampler Instruments" in the following folders, and order:

- ~/Library/Application Support/Logic
  User-defined or edited instruments are stored here.
- /Library/Application Support/Logic
  Factory EXS Instrument files are installed here.
- /Applications/Logic 6 Series
  EXS Instrument files of the Logic 6 Series are always stored here.
- …/SongOrProjectName
  As in earlier versions, Logic Express 7 also searches for EXS Instruments in the project or song folder.

Logic Express 7 also looks in:
/Library/Application Support/GarageBand/Instrument Library/Sampler.

EXS Sample Conversion

These are the default locations for converted samples of different formats:

- ~/Library/Application Support/Logic/AKAI Samples
  For samples converted from AKAI format.
- ~/Library/Application Support/Logic/DLS-Giga Samples
  For samples converted from GigaSampler/GigaStudio format.
- ~/Library/Application Support/Logic/SoundFont Samples
  For samples converted from SoundFont format.

Apple Loops Library

Logic Express 7 shares the Apple Loops Library with GarageBand. It uses the Apple Loops folders found in these locations:

/Library/Application Support/GarageBand
Used for the Apple Loops library that ships with Logic Express 7 or GarageBand. The content of any additional Jam Pack libraries is also installed here.

Important: Don't delete this folder—even if you decide to remove GarageBand from your hard disk! At least be aware that this will also remove content from Logic's Loop Browser.

~/Library/Application Support/GarageBand
Used for user-created Apple Loops made with the Apple Loops Utility (which might also be named "Soundtrack Loop Utility"—found in your Utilities folder inside the Applications folder).

Apple Loops dragged from the Finder into Logic's Loop Browser window, coupled with the "Copy to Library" option, copies the Apple Loops to this location. Alternatively, additional Apple Loops can be kept in their original Finder location.

User Icons

~/Application Support/Logic/Images/Icons
The format for user icons remains .png. The filename needs to start with xxx (where xxx is a 1 to 3 digit number). Correspondingly numbered default icons will be replaced by your personal icons.

I/O Labels

The user-definable I/O Labels (the "IO Labels CoreAudio" file) are located in:
~/Library/Application Support/Logic.

This is the automatic file save location. If not found, Logic Express 7 also searches:
/Applications/Logic 6 Series.

Control Surface Plug-ins

Control Surface plug-ins are installed (and searched for) in the application bundle.

You can install additional Control Surface plug-ins in:
~/Library/Application Support/MIDI Device Plug-ins.

Tuning Tables

Logic Express 7 scans for a folder named "Tuning Tables" in the following folder:
/Library/Application Support/Logic.

Default Directories

- ~/Music/Logic
  For Logic Express 7 songs (Open/Save/Save as).
- ~/Movies
  For Movie files (Open).
- ~/Pictures
  For the Camera tool in the Score Editor (Save Bitmap File as).

Manual Corrections

The following section contains a number of manual corrections where functionality was altered after writing, or was incorrectly documented.

Freezing tracks using DSP-card based effects

The Logic Express 7 Reference manual incorrectly states that you cannot freeze tracks that make use of DSP-card based effects (PowerCore and UAD1, for example). You may freeze such tracks.

Opening non-floating Plug-in window

The Logic Express 7 Reference manual states that Shift-double-clicking a used Insert slot will open a non-floating Plug-in window. This is incorrect. The correct shortcut is Control-Option-double-click.

Exporting Logic 4.8 songs

The Logic Express 7 Reference manual discusses the export of Logic 4.8 format songs. This cannot be done directly in Logic Express 7. You can, however, use Logic 6.4.3 to open a Logic Express 7 song, and use the Logic 4.8 Export function available in this Logic version (6.4.3).

Warning: It should be noted that some data (such as automation) will be lost during an export to a Logic 4.8 song.

Input Objects in Logic Express

The Audio Input Objects described in the Logic Express 7 Reference manual do not exist in the application.

Note Velocity Hyper Draw in Logic Express

Hyper Draw for note velocity described in the Logic Express 7 Reference manual on p. 236 and on p. 348 does not exist in the application.

Record Enable buttons in Logic Express

Record Enable buttons for Audio Instrument and MIDI tracks described in the Logic Express 7 Reference manual do not exist in the application.

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